



US006719767B1

(12) **United States Patent**
Kimblad

(10) **Patent No.:** **US 6,719,767 B1**
(45) **Date of Patent:** **Apr. 13, 2004**

(54) **DEVICE AND A METHOD FOR TREATMENT OF ATRIOVENTRICULAR REGURGITATION**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 289 days.

(21) Appl. No.: **09/670,082**

(22) Filed: **Sep. 26, 2000**

(30) **Foreign Application Priority Data**

Aug. 11, 2000 (SE) 0002878

(51) **Int. Cl.⁷** **A61B 17/08**

(52) **U.S. Cl.** **606/151**

(58) **Field of Search** 606/151, 157,
606/158, 120

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(57) **ABSTRACT**

A device for treatment of atrioventricular regurgitation comprises a suturing means. The suturing means has such dimensions as to be introducible, via blood vessels leading to the heart, to two leaflets of the atrioventricular valve between an atrium and a corresponding ventricle of the heart. Further, the suturing means is designed for binding together the two leaflets in a position along the free edges of the leaflets. As a result, the closing of the valve is improved.

A method of using the device comprises the steps of inserting the suturing means into a catheter, introducing the catheter to the heart, so as to position a distal end of the catheter close to two leaflets of an atrioventricular valve, capturing the free edges of the two leaflets with the suturing means in its open state, binding together the two leaflets by transition of the suturing means into its closed state, and retracting the catheter from the heart.

14 Claims, 3 Drawing Sheets

